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United States  
Department of Agriculture

ISSN: 1082-9644



National  
Agricultural Library



Animal Welfare  
Information Center

*Directory of Resources*  
*on*  
*Alternatives and Animal Use*  
*in*  
*the Life Sciences*  
**1995**

AWIC Resource Series No. 1

June 1995

USDA, National Agricultural Library  
NAL Bldg  
10301 Baltimore Blvd  
Beltsville, MD 20705-2351

*Directory of Resources*  
*on*  
*Alternatives and Animal Use*  
*in*  
*the Life Sciences*  
**1995**

by

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## National Agricultural Library Cataloging Record:

Directory of resources on alternatives and animal use in the life sciences.

1st ed.

(AWIC resource series ; no. 1)

1. Animal welfare--Directories. 2. Animal experimentation--Moral and ethical aspects--Directories. 4. Life sciences--Research. I. Larson, Jean A.  
aHV4701.A94 no.1

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# INTRODUCTION

## Background

This project was conceived during a volunteer meeting of about 40 interested persons who were attending the 1st World Congress on Alternatives and Animal Use in the Life Sciences: Education, Research, and Testing Conference held in Baltimore, Maryland, November 14-19, 1993.

At that time, it became obvious to everyone that a resource addressing various aspects of the alternatives issue should be referenced in a directory. The authors volunteered to work on the project. In the spring of 1994, a questionnaire was developed and sent to all interested parties. Except for one or two additional entries, the directory entries are from those items submitted by those attending the voluntary meeting.

## Content and Arrangement

The directory is composed of information regarding: newsletters, databases, publications, audio-visuals, and computer models. Within those broad categories, the organizations producing resources are listed alphabetically.

The quantity and quality of information varies since it is based on information voluntarily provided. Generally, each entry consists of the following: sponsor's name, address, telephone/fax, descriptive information, costs, availability, audience, language, and a contact person. There is also a note field for information considered important but which doesn't fit neatly into the above. Hopefully, if the publication is updated, referenced organizations will provide additions for more consistently complete records.

## Final Note

The authors are well aware that this first edition is by no means complete, but hope that it will be understood by the readers as a germinal beginning. We hope that as a reader you will function as a resource and provide additional information or resources for a second edition. Please contact:

Jean A. Larson, Coordinator, Animal Welfare Information Center  
National Agricultural Library, 5th Floor, 10301 Baltimore Blvd.  
Beltsville, MD 20705 (Tel: 301-504-6212)

## **ACKNOWLEDGEMENTS**

The authors would like to thank all those who supplied the documents and information necessary to put this first edition together. Thanks also go to D'Anna Jensen and Ruth Criscio for their help in word processing and formatting the document.

## **COMMENTS AND SUGGESTIONS ARE WELCOMED**

Comments, questions, and suggestions are requested. We would also appreciate information on organizations not yet profiled. (The questionnaire used to produce this first edition is found at the end of the document.)

**SPONSOR:** ADVOCATES FOR ANIMALS

**ADDRESS:** 10 Queensferry Street  
Edinburgh EH2 4PG, Scotland, UK

**TELEPHONE:** 031-225-6039 **FAX:** 031-220-6377

**TITLE:** No specific title submitted.

**EDITOR:** Advocates for Animals.

**FREQUENCY:** 2 issues per year.

**DESCRIPTION:** None provided.

**LANGUAGE:** English

**AVAILABILITY:** Available from the organization.

**AUDIENCE:** Those interested in animal welfare issues.

**CONTENTS:** News updates on the organization's campaigns and general animal protection news.

**CONTACT:** Peter Haddow, Campaigns Support Officer

- SPONSOR:** ANIMAL WELFARE INFORMATION CENTER (AWIC), NATIONAL AGRICULTURAL LIBRARY (NAL), U.S. DEPARTMENT OF AGRICULTURE (USDA)
- ADDRESS:** National Agricultural Library, 5th Floor  
10301 Baltimore Ave.  
Beltsville, MD 20705-2351, USA
- TELEPHONE:** 301-504-6212      **FAX:** 301-504-7125
- INTERNET:** [awic@nalusda.gov](mailto:awic@nalusda.gov)
- TITLE:** *ANIMAL WELFARE INFORMATION CENTER NEWSLETTER*
- EDITOR:** Tim Allen
- PUB. DATA:** Published quarterly (Spring, Summer, Fall, Winter,). First published in 1990. ISSN:1050-561X.
- DESCRIPTION:** Printed on 8 1/2" by 11" paper. Includes text, graphics, and photographs. Currently 16 pages.
- LANGUAGE:** English
- AVAILABILITY:** Currently distributed free of charge to any requestor. Previous issues are available as photocopies or electronic files.
- AUDIENCE:** The publication is mainly of interest to researchers, veterinarians, regulators, scientists and others interested in or involved with the use of animals in research, testing and teaching. Some articles may be of use to the zoo community.
- CONTENTS:** Most issues have two or three articles on one topic e.g., welfare issues of rodents and primates, environmental enrichment, animal models, and alternatives. Special features include animal-related bills introduced into Congress, new AWIC publications, meeting announcements, and funding opportunities.

**NOTE:**

The text of the newsletter is available in electronic format from the NETVET gopher site at Washington University. The address is "netvet.wustl.edu". Locate the AWIC materials in the Animal Welfare Information Center subfile. The Newsletter is also available on the NETVET World Wide Web server at <http://netvet.wustl.edu/awic.htm>.

- SPONSOR:** AUSTRALIAN AND NEW ZEALAND COUNCIL FOR THE CARE OF ANIMALS IN RESEARCH AND TEACHING, LIMITED (ANZCCART)
- ADDRESS:** P.O. Box 19                      P.O. Box 598  
Glen Osmond SA                      5064 Wellington  
Australia                      New Zealand
- TELEPHONE:** A.C.N. 06-33-83-522
- EDITOR:** R.M. Baker, J.H. Burrell, G. Jenkins, D.J. Mellor, M.A. Rose, T. Kuchel, J. Reilly
- TITLE:** *ANZCCART NEWS*
- FREQUENCY:** Quarterly (March, June, September, December).
- DESCRIPTION:** 12 pages in A4 format.
- LANGUAGE:** English
- AVAILABILITY:** By subscription.
- CONTENTS:** Articles address a variety of topics including adjuvants, alternatives, animal care/ethics committees, animal housing, veterinary care, alleviation of pain and stress, and training for animals users.
- NOTE:** The newsletter is under copyright, but reproduction is permitted providing acknowledgement is given to ANZCCART.

**SPONSOR:** EURONICHE

**ADDRESS:** C/O Nick Jukes  
11 Beckingham Road  
Leicester LE2 1HB, England, UK

**TELEPHONE/FAX:** 44-53-35-53-223

**TITLE:** *EURONICHE NEWSLETTER*

**EDITOR:** Nick Jukes.

**FREQUENCY:** Twice yearly. (Issues are still available for 12/88, 9/89, 9/90, 4/91, 7/93.)

**DESCRIPTION:** None provided.

**LANGUAGE:** English

**AVAILABILITY:** From either N. Jukes as above or Tannetje Konig at Havikskruid 11, 3892 AA Zeewolde, The Netherlands. Tel: 31-32-41-68-30., Fax: 31-32-42-49-94.

**AUDIENCE:** Students and other interested persons.

**CONTENTS:** The newsletter contains information on alternatives, animal care/ethics committees, organizations, reference data and the animal use situations in different countries.



**SPONSOR:** EUROPEAN HEPATOCYTE USERS GROUP (HUG)

**ADDRESS:** Attn: Dr. Paul Skett  
Department of Pharmacology  
University of Glasgow  
Glasgow G12 8QQ, Scotland, UK

**TITLE:** No specific newsletter title provided.

**PUB. DATA :** February 1994

**FREQUENCY:** Unknown.

**DESCRIPTION:** None provided.

**LANGUAGE:** English

**AVAILABILITY:** Freely available.

**AUDIENCE:** All users of hepatocytes and liver-derived cells.

**CONTENTS:** Reports, abstracts, book reviews and meeting announcements.

**NOTE:** The group would be willing to publish the newsletter on list serves, Internet or on other networks.



**SPONSOR:** FUND FOR THE REPLACEMENT OF ANIMALS IN MEDICAL EXPERIMENTS (FRAME)

**ADDRESS:** Russell & Burch House  
96-98 North Sherwood Street  
Nottingham, NG1 4EE, England, UK

**TELEPHONE:** 01-15-95-84740 **FAX:** 01-15-95-03570

**TITLE:** *FRAME NEWS*

**EDITOR:** Lynda Warrington

**FREQUENCY:** 3 Issues per year.

**DESCRIPTION:** A4 format.

**LANGUAGE:** English

**AVAILABILITY:** Distributed free of charge to libraries, MPs, the press, and schools. Others may subscribe at £15/\$30 per year. Airmail is £6/\$12 extra in all cases.

**AUDIENCE:** The general public, academic and industrial scientists, animal welfare groups, and students.

**CONTENTS:** General information on the use of animals in science, alternative methods and their development, legislation and regulations, the work of FRAME.

**CONTACT:** Lynda Warrington

<b>SPONSOR:</b>	<b>HADWEN TRUST FOR HUMANE RESEARCH</b>
<b>ADDRESS:</b>	22 Bancroft Hitchin, Hertfordshire, SG5 1JW, England, UK
<b>TELEPHONE:</b>	04-62-43-68-19
<b>TITLE:</b>	<b><i>ALTERNATIVE NEWS</i></b>
<b>EDITOR:</b>	Dr. Gill Langley
<b>FREQUENCY:</b>	Quarterly (Jan., April, July, Oct.)
<b>DESCRIPTION:</b>	6 p., A4 format.
<b>LANGUAGE:</b>	English
<b>AVAILABILITY:</b>	To members of the Trust. (Annual dues UK £8.00, overseas £10.00, life membership £100.00.)
<b>AUDIENCE:</b>	Members, non-scientific laypersons, general public
<b>CONTENTS:</b>	Updates of research funded by the Trust. The research projects are for the development of alternatives to animal experiments in a wide range of medical fields e.g., cancer, AIDS, heart diseases. It also contains general news about the development of alternatives.
<b>CONTACTS:</b>	Carol Newman, Scientific Assistant Dr. Gill Langley, Scientific Advisor

**SPONSOR:** THE JOHNS HOPKINS CENTER FOR ALTERNATIVES TO ANIMAL TESTING (CAAT)

**ADDRESS:** Deborah Rudacille, Science Writer  
Johns Hopkins School of Public Health  
111 Market Place, Suite 840  
Baltimore, MD 21202-6709, USA

**TELEPHONE:** 410-223-1693

**INTERNET:** CAAT@jhuhyg.sph.jhu.edu

**TITLE:** *THE JOHNS HOPKINS CENTER FOR ALTERNATIVES TO ANIMAL TESTING*

**EDITOR:** D. Rudacille

**FREQUENCY:** 3 issues per year.

**DESCRIPTION:** 8 1/2" by 11" on recycled paper.

**LANGUAGE:** English

**AVAILABILITY:** Free to anyone on request.

**AUDIENCE:** Scientists, animal welfarists, regulatory authorities and the public.

**CONTENTS:** Information on all aspects of alternatives and alternative methodologies, information resources, grants programs, and international news items.

**NOTE:** The newsletter has been published for 11 years. Back issues are available. The Center is willing to distribute the newsletter via list services and other networks. Beginning with volume 11, no. 3, Summer 1994, the *CAAT Newsletter* is available at the Johns Hopkins gopher server: "jhuniveerse.jhu.edu" (128.220.2.80). The path is "/divisions/pubhealth/caat".

- SPONSOR:** INSTITUTE OF LABORATORY ANIMAL RESOURCES (ILAR)
- ADDRESS:** National Research Council,  
National Academy of Sciences  
2101 Constitution Ave., NW  
Washington, DC 20418, USA
- TELEPHONE:** 202-334-2590 **FAX:** 202-334-1687
- TITLE:** *ILAR JOURNAL (formerly ILAR News)*
- EDITOR:** Mara L. Glenshaw
- PUB. DATA:** The newsletter is published quarterly. ISSN: 0018-9960. The Spring '94 issue is Volume 36, no. 2.
- DESCRIPTION:** It is printed on 8 1/2" by 11" paper and contains photographs and graphics. Number of pages varies.
- LANGUAGE:** English
- AVAILABILITY:** Circulated to requestors.
- AUDIENCE:** Investigators in the field of biomedical and related research.
- CONTENTS:** Each issue contains peer reviewed articles on topics relevant to those who use animals in biomedical research, current news items, upcoming meetings, new books, and ILAR publications currently available.

- SPONSOR:** THE SCANDINAVIAN SOCIETY OF CELL TOXICOLOGY (SSCT)
- ADDRESS:** Multicenter Evaluation of In Vitro Cytotoxicity  
Erik Walum, Ph.D., Committee Chairman  
Pharmacia AB, Biopharmaceuticals  
S-112 87 Stockholm, Sweden
- TELEPHONE:** 46-86-95-72-54 **FAX:** 46-86-56-30-60
- TITLE:** *MEIC NEWSLETTER*
- PUB. DATA:** Began in 1989.
- DESCRIPTION:** Four pages on 8 1/2" by 11 3/4" paper. Includes photographs and graphics.
- LANGUAGE:** English
- AVAILABILITY:** The newsletter is distributed to committee members as well as to 400 others.
- AUDIENCE:** Those involved or interested in alternatives for toxicity testing.
- CONTENTS:** The Newsletter notes techniques and methods, published items of interest, MEIC meetings and activities, recipients of grants and awards. The subject matter relates to evaluation of *in vitro* toxicity and kinetic tests for their relevance to human acute systemic toxicity, and to other types of toxicity as well.
- CONTACT:** Bjorn Ekwall, M.D., Ph.D.  
Managing Director  
Div. of Toxicology of Pharmaceutical Biosciences  
Uppsala University, Sweden  
S-751 24 Uppsala, Sweden  
TEL: 46-18-17-42-51 or 55-25-40 FAX: 46-18-17-42-53

- SPONSOR:** SCIENTISTS CENTER FOR ANIMAL WELFARE (SCAW)
- ADDRESS:** Golden Triangle Building One  
7833 Walker Drive, Suite 340  
Greenbelt, MD 20770, USA
- TELEPHONE:** 301-345-3500 **FAX:** 301-345-3503
- TITLE:** *SCAW NEWSLETTER*
- EDITOR:** Lee Krulisch
- PUB. DATA:** Published quarterly. First published in 1979. ISSN: 1052-7559.
- DESCRIPTION:** In an 8 1/2" by 11" format. Typical issues are 8 to 24 pages in length and include photographs and other graphics.
- LANGUAGE:** English
- AVAILABILITY:** Available to members of SCAW. There are two levels of institutional membership--Level A for large institutions is \$1,000. Level B is for small institutions and is \$500. For additional information, contact the Center.
- AUDIENCE:** Researchers, members of animal care and use committees, administrators, veterinarians, and others interested in the welfare of animals used in research, testing, and education.
- CONTENTS:** Topics vary and include special feature articles on issues important to animal users, meeting reports, upcoming meetings, book reviews, reports on SCAW activities, etc.
- CONTACT:** Lee Krulisch, Executive Director



**SPONSOR:** TUFTS CENTER FOR ANIMALS AND PUBLIC POLICY

**ADDRESS:** 200 Westboro Rd.  
N. Grafton, MA 01536, USA

**TELEPHONE:** 508-839-7991 **FAX:** 508-839-2953

**INTERNET:** [dpease@opal.tufts.edu](mailto:dpease@opal.tufts.edu)

**TITLE:** *THE ALTERNATIVES REPORT*

**EDITOR:** Dr. A. Rowan

**FREQUENCY:** Bimonthly.

**DESCRIPTION:** 6-8 pages, A4 format.

**LANGUAGE:** English

**AVAILABILITY:** By subscription only. (\$48 annual in the U.S.; \$65 for Canada and abroad.)

**AUDIENCE:** Regulators, toxicologists, veterinarians, scientists, persons with professional knowledge of the field.

**CONTENTS:** Covers technical and policy aspects of alternatives topics with a concentration in pharmacology and toxicology.

**CONTACTS:** Andrew Rowan, Editor  
Donna Pease, Administrator





- SPONSOR:** AKADEMIE FUR TIERSCHUTZ. EINRICHTUNG DES DEUSCHEN TIERSCHUTZBUNDES e.V. ZUR FORSCHUNG UND LEHRE.
- ADDRESS:** Attn: Dr. Ursula Sauer  
Spechtstr. 1A  
D-8014 Neubiberg  
Germany, 85579
- TELEPHONE:** 49-89601-7078 **FAX:** 49-89601-7078-523  
**TELEX:** 52-39-36 AKADE
- TITLE:** *DATABANK ON ALTERNATIVES TO ANIMAL EXPERIMENTS OF THE GERMAN ANIMAL WELFARE ASSOCIATION. (DEUTSCHER TIERSCHUTZBUND e.V.)*
- EDITORS:** Brigitte Rusche, Ursula G. Sauer, Irmela Ruhdel
- PUB. DATA:** The database was installed in 1986. It is constantly being updated and revised.
- EDITION:** June 1994.
- DESCRIPTION:** The database contains reviewed articles and methods with over 13,000 entries. It is contained on computer discs. There are biannual updates. A users' manual is available.
- REQUIREMENTS:** The database is written in LIDOS, which is IBM compatible software.
- LANGUAGE:** German. There are plans to translate the database into English.
- AVAILABILITY:** Staff conducts literature searches free of charge.
- AUDIENCE:** Scientists, animal welfarists, regulatory authorities, and the public.
- CONTENTS:** Included in the database are citations to books and journal literature on the alternative concepts of replacement, refinement, and reductions in the numbers of animals used in research. Keywords are assigned to each entry for ease of searching. The

disciplines include, but not are limited to, toxicology, medicine, pharmacodynamics, veterinary medicine, etc.

**REFERENCE:** Rusche, B., U. Sauer. "Reviewed Literature databank for Alternatives to Animal Experiments--Gelbe Liste." *Alternatives to Animal Testing. New Ways in the Biomedical Sciences. Trends and Progress*. C.A. Reinhardt (ed.). VCH Weinheim. p. 85-88. (1994)

**NOTE:** Bibliographies--"Yellow Lists"--have been published on topics such as mutagenicity, toxicity testing, etc. Currently there are no plans to locate the database on a network.

- SPONSOR:** ASSOCIATION OF VETERINARIANS FOR ANIMALS RIGHTS
- ADDRESS:** Nedium Buyukmihci, VMD  
Association of Veterinarians for Animal Rights  
P.O. Box 6269  
Vacaville, CA 95696-6269, USA
- TITLE:** *ALTERNATIVES IN EDUCATION (ALT-ED) DATABASE*
- PUB. DATA:** The current version is March 16, 1994.
- DESCRIPTION:** The database runs on an IBM type computer. The current version runs on DOS 3.0 or higher or Windows and includes the managing software.
- LANGUAGE:** English
- AVAILABILITY:** The database can be obtained at no cost, but the organization would like requestors to supply two blank, DOS formatted 3.5 diskettes and coverage of mailing charges.
- AUDIENCE:** Mostly educators.
- CONTENTS:** The database contains citations of books, journal articles, computer programs, clinical programs, and information about other resources actively used in life sciences education. Coverage is from elementary school level through specialty residencies in human and veterinary medicine.
- NOTE:** The database was published in an earlier print version as *Veterinary Medical Education: Alternatives to Harmful use of Nonhuman Animals*. This version is still available from the same address.

<b>SPONSOR:</b>	<b>EUROPEAN HEPATOCYTE USERS GROUP (HUG)</b>
<b>ADDRESS:</b>	Attn: Dr. Paul Skett Department of Pharmacology University of Glasgow Glasgow G12 8QQ, Scotland, UK
<b>TITLE:</b>	<b><i>A DATABASE OF THE HEPATOCYTE USER GROUPS COMMITTEE</i></b>
<b>PUB. DATA:</b>	March 1994.
<b>LANGUAGE:</b>	English
<b>AVAILABILITY:</b>	Confidential to the HUG Committee members, but extracts will be provided on request.
<b>AUDIENCE:</b>	The HUG
<b>CONTENTS:</b>	Experts and methodologies
<b>NOTE:</b>	Due to legal restriction under the UK's Data Protection Act, the database cannot be put up on electronic networks.

- SPONSOR:** FUND FOR THE REPLACEMENT OF ANIMALS IN MEDICAL EXPERIMENTS (FRAME)
- ADDRESS:** ECVAM  
Environmental Institute  
JRC  
1-21020 Ispra, Italy
- FAX:** 39-33-27-85336
- TITLE:** *INVITTOX*
- PUB. DATA:** Irregular.
- DESCRIPTION:** Available as both a computer database and in paper copy of methodological description of *in vitro* methods and test systems.
- LANGUAGE:** English
- AVAILABILITY:** Free services to anyone.
- AUDIENCE:** Scientists looking for alternatives in toxicology.
- CONTENTS:** Detailed methodological descriptions of *in vitro* methods for toxicology. Also includes names and addresses of scientists registered to use INVITTOX, which may be released if the scientist has granted permission.
- NOTE:** The database is also sponsored by the European Research Group for Alternatives in Toxicity Testing. INVITTOX was originally based in FRAME, but moved to ECVAM in March of 1995.

- SPONSOR:** ISTITUTO NAZIONALE PER LA RICERCA SUL CANCRO (IST)  
[NATIONAL INSTITUTE FOR CANCER RESEARCH--ADVANCED  
BIOTECHNOLOGY CENTER]
- ADDRESS:** Dr. Gabriella Rondania  
Viale Benedetto XV, n. 10  
16132 Genoa, Italy
- TELEPHONE:** 28-63-53                      **FAX:** 35-29-99
- TITLE:** *CELL LINE DATA BASE ELECTRONIC CATALOGUE 1993*
- PUB. DATA:** October 1993.
- DESCRIPTION:** The catalogue is in MS DOS and on floppy diskettes. The information is from the Cell Line Database and managed by software that includes searching capabilities. System requirements: an IBM compatible 386 computer with 3Mb and at least 8Mb on the hard drive.
- LANGUAGE:** English
- AVAILABILITY:** Can be purchased from the Institute. ITL 37.000/\$24.00 plus postage. Order from the Biotechnology Department, Interlab Project, Advanced Biotechnology Center, Viale Benedetto XV 10, 16132, Genoa, Italy. Tel.: 010/57-37-282. Fax: 010/57-37-295.
- AUDIENCE:** Public and private researchers in biomedical research fields.
- CONTENTS:** Detailed description on human and animal cell lines available in many European culture collections and research laboratories. Synthetic description of culture collections. Searchable by keywords.
- REFERENCES:** Cytotechnology. Vol. 11, Suppl 1, p. 130-133 (1993).
- NOTE:** The database is the electronic version of the Human and Animal Cell Lines Catalogue 1993. (Listed elsewhere in the Directory.)



- SPONSOR:** ISTITUTO NAZIONALE PER LA RICERCA SUL CANCRO (IST)  
[NATIONAL INSTITUTE FOR CANCER RESEARCH--ADVANCED  
BIOTECHNOLOGY CENTER]
- ADDRESS:** Ing. Paolo Romano  
Viale Benedetto XV, n. 10  
16132 Genoa, Italy
- TELEPHONE:** 28-63-53                      **FAX:** 35-29-99
- TITLE:** *CELL LINE DATA BASE*
- PUB. DATE:** 1993.
- DESCRIPTION:** An on-line database that is indexed with WAIS. Documentation is available with the on-line version.
- LANGUAGE:** English
- AVAILABILITY:** Searchable by Gopher at "gopher.ist.unige.it". Limited data is also available by anonymous FTP at the same site.
- AUDIENCE:** Public and private researchers in biomedical research fields.
- CONTENTS:** Detailed description of human and animal cell lines available in many European culture collections and research laboratories. Searchable by keywords.
- REFERENCES:** *Bynary*. Vol. 5, p. 66-72 (1993).  
*Chimica Oggi*. vol. 8, p. 23 (1990).
- NOTE:** The database is the electronic version of the Human and Animal Cell Lines Catalogue 1993. (Listed elsewhere in the Directory.)

- SPONSOR:** LABORATORY OF GENETIC TOXICOLOGY, THE UNIVERSITY OF PISA
- ADDRESS:** Dr. N. Loprieno  
Genetic Toxicology Laboratory  
University of Pisa  
via San Giuseppe 12  
I-56126 Pisa, Italy
- TELEPHONE:** 39-50-55-56-85      **FAX:** 39-50-55-56-87
- INTERNET:** galileo@vm.cnuce.cnr.it
- TITLE:** ***GALILEO DATA BANK ON TOXICITY TESTING WITH INVITRO ALTERNATIVE METHODS***
- PUB. DATA:** No date provided.
- DESCRIPTION:** Exists as an interrelated, archives databank of information (as of Oct. 1993) on 1,650 identified chemicals, 50 methods for evaluation of toxic effects on *in vivo* cell populations, 90 bio-systems of different origins and histological natures, and 100 toxic endpoints. The software permits various listings--toxic level of chemicals, methods used for testing a chemical, chemicals by biosystem effect, qualitative and quantitative data according to assay methods, and comparative values between *in vivo* and *in vitro* results.
- AVAILABILITY:** Contact G. Loprieno.
- AUDIENCE:** Scientists, researchers, industry, and regulators.
- CONTENTS:** The databank focuses on toxicity testing. Information relates to cell toxicity, mutagenicity, genotoxicity, clastogenicity, cell transformation, animal carcinogenicity, photomutagenicity and photogenotoxicity, electrical conductance, neurotoxicity and QSAR.
- REFERENCES:** 1. Loprieno, N., G. Boncristiani, E. Bosco, G. Loprieno, and M.



Nieri. *Galileo Data Bank Progress on Alternatives to Animal Testing: Results of First Year Activity (13,874 tests)*. Published by the Laboratory. 1993. 42p.

2. Loprieno, N., G. Boncristiani, G. Loprieno, and M. Tesoro. "Data Selection and Treatment of Chemical Tested for Genotoxicity and Carcinogenicity." *Environmental Health Perspectives*. v. 96; p. 121-126 (1991).

3. Loprieno, N, G. Boncristiani, E. Bosco, M. Nieri, and G. Loprieno. "The Galileo Data Bank on Toxicity Testing with *in vivo* Alternative Methods. I. General Structure." *ATLA* 22(1) p. 20-30. (1994).

4. Loprieno, N, G. Boncristiani, E. Bosco, and M. Loprieno. "The Galileo Data Bank on Toxicity Testing with *in vivo* Alternative Methods. II. Toxicology Profiles of 20 Chemicals." *ATLA* 22(2) p. 82-114 (1994).

**CONTACT:**

Dr. Gregorio Loprieno, Technical Services, via Vecchia Lucchese no. 59, I-56123 Pisa, Italy

- SPONSOR:** NORWEGIAN COLLEGE OF VETERINARY MEDICINE
- ADDRESS:** P.O. Box 8146 DEP  
N-0033 Oslo, NORWAY
- TELEPHONE:** 22-96-45-75      **FAX:** 22-96-45-35
- TITLE:** *NORINA: A NORWEGIAN INVENTORY OF AUDIOVISUALS*
- EDITORS:** Karina Smith, Adrian Smith, Richard Fosse
- PUB. DATA:** Volume 1 was made available on May 1993.
- DESCRIPTION:** Floppy discs with a compressed software that allows for searching. Includes an instruction manual.
- REQUIREMENTS:** The Mackintosh version requires Filemaker Pro installed on the hard disc. A stand alone version is available for IBM compatible machines with DOS. Windows application with Filemaker Pro can use the Filemaker Pro version.
- LANGUAGE:** English
- AVAILABILITY:** The full system is available for purchase. A demo version is also available that may be freely copied. The demo version, sample entries and an information sheet are available by anonymous FTP from "wuarchive.wustl.edu" in the directory "doc.techreports.wustl.edu compmed.mac".
- AUDIENCE:** Teachers and professors who are looking for materials to use for students from elementary school through college.
- CONTENTS:** The database is a set of entries describing audiovisual aids of all categories that can be used as alternatives or supplements to the use of animals in teaching. There is also information on suppliers and producers.
- NOTE:** There are no plans to make the entire database available on Internet. As noted above, there are demonstration files and other

information about the database on Internet.

**CONTACT:** Adrian Smith at the above address

- SPONSOR:** PREX ON-LINE INFORMATION SERVICE
- ADDRESS:** The Department of Laboratory Animal Science/PREX  
Faculty of Veterinary Medicine  
Utrecht University  
P.O Box 80.156  
Yalelaan 17  
3584 TD Utrecht-Uithof  
The Netherlands
- TELEPHONE:** 31-30-53-58-43 **FAX:** 31-30-53-67-47
- TITLE:** *PREX ONLINE INFORMATION SERVICE*
- PUB. DATE:** Unknown
- DESCRIPTION:** An on-line service that originates from both multiple databases on CD-ROM and topic-specific institutional databases. System requirements: IBM/XT/AT or 100% compatible computer; a hard disk and a diskette unit; DOS version 4.0 or higher; and either a Hayes Compatible modem of 2400 or 9600 bps; a network card for Internet; or a connection using NFS (RUU only).
- LANGUAGE:** English
- AVAILABILITY:** The database is available to members only. The annual subscription runs January to January and costs 1.6000 Dutch guilders/\$360.00 U.S.
- AUDIENCE:** The brochure, describing the database, states that membership is required, but there is no apparent requirement for membership other than payment of dues.
- CONTENTS:** The system is made up of a number of databases: *Medline* (1984-present), *CAB/vet* (from CAB International), *Disvet* (titles of vet dissertations from EuroScience), *Merkvet* a (full text of the Merk Veterinary Manual--7th edition), *Laslit* (references from lab animal science journals), *T-base* (a transgenic animal database), *Books* (contents of relevant books), *Alternat* (references to

research, testing and education), *Bioval* (biological reference data), *Norina* (audiovisuals for alternatives), *Strains & InbrList* (international list of lab animal strains, and availability), *Dissert* (dissertations on lab animal science).

**NOTE:** The system is an initiative of both the Department of Laboratory Animals Science of the University of Utrecht and supported by the Dutch Ministry of Education and Science.

**CONTACT:** Dr. J.D. Kuiper at the University of Utrecht. TEL: 31-30-531583

- SPONSOR:** ZENTRALSTELLE ZUR ERFASSUNG UND BEWERTUNG VON  
ERSATZ UND ERGANZUNGSMETHODEN ZUM  
TIERVERSUCH (ZEBET) [CENTER FOR DOCUMENTATION  
AND EVALUATION OF ALTERNATIVE METHODS TO ANIMAL  
EXPERIMENTS]
- ADDRESS:** Diedersdorfer Weg 1.  
D-12277 Berlin, Germany
- TELEPHONE:** 49-30-7236 2270 **FAX:** 49-30-7236-2958
- TITLE:** *ZEBET DATABANK ON ALTERNATIVES TO THE USE OF  
EXPERIMENTAL ANIMALS*
- EDITORS:** Horst Spielmann, Barbara Grune-Wolff, Antje Dorendahl,  
Susanne Skolik
- PUB. DATA:** The Center was established in 1989.
- EDITION:** Fifth version.
- DESCRIPTION:** The system is a multi-user system PC-LAN/Novell. The software  
is LARS II, WEKA GmbH, Frankfurt a M Information Retrieval  
System.
- LANGUAGE:** German
- AVAILABILITY:** This is an in-house database. Currently, requests for information  
are directed to the Center's staff. The Center is exploring the  
feasibility of offering the database to the public through DIMDI.
- AUDIENCE:** Government agencies, scientific institutions, scientists, welfare  
committees, local animal protection officers, interested citizens,  
and journalists.
- CONTENTS:** The database contains information on alternative methods  
gathered from the scientific literature. To date, there is  
information on 200 methods plus more than 2000 bibliographic  
references. The database is divided into "documents". A



"document" contains a short description of a method including the aim, principle, stage of development and validation, evaluation, and whether it is a replacement, reduction, or refinement.

## REFERENCES:

1. Spielmann, H, B. Grune-Wolff, and M. Liebsch. "ZEBET: Three years of the National German Center for Documentation and Evaluation of Alternatives to Animal Experiments at the Federal Health Office (BGA) in Berlin." *Alternatives to Animal Testing. New Ways in the Biomedical Sciences. Trends and Progress.* VCH. Weinheim. (1994).
2. Liebsch, M., H. Spielmann, M. Balls, M. Brand, B. Doring, et al. "First results of the EC/COLIPA validation project. In vitro phototoxicity testing." In " *In Vitro Skin Toxicology: Irritation, Phototoxicity, Sensitization.* A. Rougier, A.M. Goldberg, and H. Maibach (eds.); Mary Ann Liebert, N.Y (1994).
3. Spielmann, H, B. Grune-Wolff, S. Ewe, S. Skolik, M. Liebsch, et al. "ZEBET's data bank and information service on alternatives to the use of experimental animals in Germany." *ATLA.* v. 20 p. 362-367 (1992).

## NOTE:

An alphabetical listing of keywords is available. The group is now a part of the BGVV, the Federal Institute for Health Protection of Consumers and Veterinary Medicine. In addition to information services and maintaining the database, the Center is also responsible for planning, funding and coordinating validation programs for alternative testing methods. ZEBET also has laboratory facilities for developing experimental *in vitro* models.





**SPONSOR:** **ADVOCATES FOR ANIMALS**

**ADDRESS:** 10 Queensferry Street  
Edinburgh EH2 4PG, Scotland, UK

**TELEPHONE:** 03-12-25-60-39 **FAX:** 03-12-20-63-77

**TITLE:** ***ANNUAL PICTORIAL REVIEW***

**EDITOR:** Advocates for Animals

**FREQUENCY:** Yearly (April).

**DESCRIPTION:** An A5 color booklet of approximately 70 pages.

**LANGUAGE:** English

**AVAILABILITY:** Available from the organization.

**AUDIENCE:** Not stated, but assumed to be those interested in animal welfare issues.

**CONTENTS:** Contains a review of the activities of the organization and the major international developments in animal protection.

**CONTACT:** Peter Haddow, Campaigns Support Officer

**SPONSOR:** ADVOCATES FOR ANIMALS

**ADDRESS:** 10 Queensferry Street  
Edinburgh EH2 4PG, Scotland, UK

**TELEPHONE:** 03-12-25-60-39 **FAX:** 03-12-20-63-77

**TITLE:** There are various brochures in an unnamed series.

**EDITOR:** Advocates for Animals

**PUB. DATA:** The dates vary.

**DESCRIPTION:** A5 leaflets/brochures of 1-10 pages

**LANGUAGE:** English

**AVAILABILITY:** Available from the organization.

**AUDIENCE:** Those interested in animal welfare issues.

**CONTENTS:** Indepth analyses and facts regarding animal protection issues including: a brochure about the organization, using animals in medical and non-medical research, replacement techniques, ethics of experimentation, testing for beauty products, effects of wars on animals, etc.

**CONTACT:** Peter Haddow, Campaigns Support Officer

- SPONSOR:** ANIMAL WELFARE INFORMATION CENTER (AWIC),  
NATIONAL AGRICULTURAL LIBRARY (NAL), U.S.  
DEPARTMENT OF AGRICULTURE (USDA)
- ADDRESS:** National Agricultural Library  
10301 Baltimore Ave., 5th Fl.  
Beltsville, MD 20705, USA
- TELEPHONE:** 301-504-6212 **FAX:** 301-504-7125
- INTERNET:** [awic@nalusda.gov](mailto:awic@nalusda.gov)
- PUB. DATA:** The Center produces a variety of publications about animal care and use, including: **Quick Bibliography Series (QB)** that are topical, bibliographic citation downloads from the AGRICOLA database; **Special Reference Brief (SRB)** that are reviews of important literature and are reviewed by an expert in the topic; **Fact Sheets** which are informational/instructional. AWIC has provided support for a variety of other documents e.g. manuals, videotapes, slide programs, and conference proceedings. (All are available from the NAL collection.)
- DESCRIPTION:** Print versions are in 8 1/2" by 11" format. Many documents are available in ASCII or WordPerfect. Videotapes are in VHS or U-matic format. Slides are 35MM.
- LANGUAGE:** English
- AVAILABILITY:** Current paper publications are available free on a first come first serve basis. Older paper items and other materials are available on interlibrary loan.
- AUDIENCE:** The publication is mainly of interest to researchers, scientists and others interested or involved with the use of animals in research, testing and teaching. Some articles may be useful to the zoo community.
- CONTENTS:** Subjects include: alternative animal models, non-animal models, humane care, euthanasia, animal welfare legislation, toxicity testing, ethical issues, etc.

**NOTE:**

Many documents are available in full text, electronic format from the NETVET gopher site at Washington University. The address is "netvet.wustl.edu". Locate AWIC publications in the Animal Welfare Information Center subfile. Also available on World Wide Web at <http://netvet.wustl.edu/awic.htm>.

**CONTACT:**

Jean A. Larson, Coordinator. E-mail address: [jlarrison@nalusda.gov](mailto:jlarrison@nalusda.gov).

- SPONSOR:** AUSTRALIAN AND NEW ZEALAND COUNCIL FOR THE CARE OF ANIMALS IN RESEARCH AND TEACHING, LIMITED (ANZCCART)
- ADDRESS:** P.O. Box 19                      P.O. Box 598  
Glen Osmond SA                      5064 Wellington  
Australia                                  New Zealand
- TELEPHONE:** A.C.N. 06-33-83-522
- TITLE:** There is no specific series title for these publications.
- PUB. DATA :** Those currently available date from 1991.
- DESCRIPTION:** Various types.
- LANGUAGE:** English
- AVAILABILITY:** An order form is available that lists current titles and costs. Publication costs may be charged via credit card, check or money order made out to ANZCCART.
- CONTENTS:** Scientific information on euthanasia, conference proceedings on effective animal care and use committees and improved well being for animals in research, listings of alternative for undergraduate teaching, a survey of lab animals and tumor cell lines in Australia, and publications on the care and use of animals in research and animal pain.
- NOTE:** Not yet on Internet
- CONTACT:** Dr. R.M. Baker, Executive Officer, ANZCCART  
P.O. Box 19, Glen Osmond, SA 5064, Australia  
TEL: 61-83-03-73-93 FAX: 61-83-79-38-80

- SPONSOR:** ASSOCIATION OF VETERINARIANS FOR ANIMALS RIGHTS
- ADDRESS:** Nedium Buyukmihci, V.M.D  
Association of Veterinarians for Animal Rights  
P.O. Box 6269  
Vacaville, CA 95696-6269, USA
- TITLE:** *VETERINARY MEDICAL EDUCATION: ALTERNATIVES TO THE HARMFUL USE OF NONHUMAN ANIMALS*
- PUB. DATA:** None given.
- LANGUAGE:** English
- AVAILABILITY:** Available from the Association.
- AUDIENCE:** Mostly educators.
- CONTENTS:** The publication contains citation for books, journal articles, computer programs, clinical programs, and information about other resources actively used in life sciences education. Coverage is from elementary school level through specialty residencies in human and veterinary medicine.
- NOTE:** The listing evolved into an electronic database which is available from the Association under the title *Alternatives in Education (Alt-Ed)*.



- SPONSOR:** CANADIAN COUNCIL ON ANIMAL CARE (CCAC)
- ADDRESS:** 315-350 Albert Street  
Ottawa, Ontario, Canada K1R 1B1
- TELEPHONE:** 613-238-4031 **FAX:** 613-238-2837
- INTERNET:** ccac@carleton.ca
- TITLE:** *GUIDE TO THE CARE AND USE OF EXPERIMENTAL ANIMALS*
- EDITORS:** E. D. Olfert, B. M. Cross, A. A. McWilliam
- PUB. DATA:** Volume 1 is available in the 2nd edition which was publicized in 1993. ISBN: 0-919087-18-3. Volume 2 was published in 1984. ISBN: 0-919087-08-6.
- DESCRIPTION:** A two-volume set in 8 1/2" by 11", soft cover volumes. Contains graphs.
- LANGUAGE:** English
- AVAILABILITY:** Available from the Council for a modest charge.
- AUDIENCE:** The Guidelines are designed for those who use animals in research, testing, and education in Canada.
- CONTENTS:** Volume 1 covers a wide variety of topics regarding adequate animal care--responsibilities of the user, adequate facilities, care, social and behavioral requirements, pain control, euthanasia, etc. Volume 2 "deals with the care and use of representative classes of animals." The groups covered include: fish, amphibians, reptiles, pigeons and doves, waterfowl, bats, cats, dogs, ferrets, foxes, mink, guinea pigs, Mongolian gerbils, hamsters, rabbits, marine mammals, miniature swine, non-human primates, laboratory rats, and some less used species.
- CONTACT:** Gilly Griffin



<b>SPONSOR:</b>	<b>EURONICHE</b>
<b>ADDRESS:</b>	C/O Nick Jukes 11 Beckingham Road Leicester LE2 1HB, England, UK
<b>TELEPHONE/FAX:</b>	44-53-35-53-223
<b>TITLE:</b>	<b><i>UBER LEICHEN ZUM EXAMEN TIERVERSUCHE IM STUDIUM</i></b>
<b>AUTHORS:</b>	T. Rieg, B. Vollon, A. Fedderson
<b>EDITOR:</b>	T. Verlag
<b>PUB. DATA:</b>	Bundesverband Satis e.V. of Stuttgart, Germany. 1993.
<b>DESCRIPTION:</b>	A paperback.
<b>LANGUAGE:</b>	German, with short abstracts in English.
<b>AVAILABILITY:</b>	Can be purchased from the publisher.
<b>AUDIENCE:</b>	For anyone interested in the issues of animal experiments in the classroom.
<b>CONTENTS:</b>	The book contains a concise description of the situation on the different university campuses regarding animal use. Topics covered include ethics, alternatives, and objecting against animal experiments. It can be used as a discussion workbook.

- SPONSOR:** EURONICHE
- ADDRESS:** C/O Nick Jukes  
11 Beckingham Road  
Leicester LE2 1HB, England, UK
- TELEPHONE/FAX:** 44-53-35-53-223
- TITLE:** *EURONICHE CONFERENCE PROCEEDINGS*
- PUB.DATA:** Three have been published--April 1989, October 1990 and September 1993.
- DESCRIPTION:** The first proceedings is a hard cover book, the other two are paperbacks.
- LANGUAGE:** English
- AVAILABILITY:** Can be purchased from the organization.
- AUDIENCE:** Students and other interested persons.
- CONTENTS:** #1 contains all the papers of the lectures and workshops. The topics include an overview of animal use in Europe, animal awareness, cross-cultural differences, alternatives and attitudes to animal use in education.
- #2 A discussion of the current animal welfare/use in different countries, scientific antivivisection issues.
- #3 Papers on the current animal welfare/use situation in different countries and on alternatives.

- SPONSOR:** FUND FOR THE REPLACEMENT OF ANIMALS IN MEDICAL EXPERIMENTS (FRAME)
- ADDRESS:** Russell & Burch House  
96-98 North Sherwood Street  
Nottingham, NG1 4EE, England, UK
- TELEPHONE:** 01-15-95-84740 **FAX:** 01-15-95-03570
- TITLE:** *ATLA (Alternatives to Laboratory Animals)*
- EDITOR:** Michael Balls
- FREQUENCY:** 6 issues per year.
- DESCRIPTION:** 7" by 10 1/2" paper with photographs, graphs, charts, graphics.  
ISSN:0261 1929.
- LANGUAGE:** English.
- AVAILABILITY:** Available on subscription at £65/\$130 per year. Subscriptions start on the calendar year. Airmail distribution is available for an extra cost. In exceptional cases, applications to receive *ATLA* free of charge will be considered.
- AUDIENCE:** Academic and industrial scientists, and students.
- CONTENTS:** A scientific journal on alternatives to the use of animals in biomedical research and toxicity testing. It includes original research papers, news and views, conference reports, comments, book reviews, and a subject and author index.
- CONTACT:** Lynda Warrington

**SPONSOR:** HADWEN TRUST FOR HUMANE RESEARCH

**ADDRESS:** 22 Bancroft  
Hitchin, Hertfordshire, SG5 1JW, England, UK

**TELEPHONE:** 04-62-43-68-19

**TITLE:** *DR. HADWEN TRUST FACTSHEETS*

**PUB. DATA:** 1992/93.

**DESCRIPTION:** Set of 6 single sheets.

**LANGUAGE:** English

**AVAILABILITY:** Free to any requestor.

**AUDIENCE:** Laypersons, members of the public.

**CONTENTS:** Subjects are alternatives such as cell cultures, microorganisms, human studies, education, body scanners, and computers.

**CONTACTS:** Carol Newman, Scientific Assistant

**NOTE:** Fact sheets are available on the World Wide Web at  
<http://envirolink.org/adn/DdrHt/index.html>

- SPONSOR:** INSTITUTO NAZIONALE PER LA RICERCA SUL CANCRO (IST)  
[NATIONAL INSTITUTE FOR CANCER RESEARCH]
- ADDRESS:** Dr. Maria Assunta Manniello  
Viale Benedetto XV, n. 10  
16132 Genoa, Italy
- TELEPHONE:** 28-63-53      **FAX:** 35-29-99
- TITLE:** *HUMAN AND ANIMAL CELL LINES CATALOGUE 1993*
- EDITORS:** B. Parodi, O. Aresu, A. Manniello, and P. Romano.
- PUB. DATA:** June 1993.
- EDITION:** 2nd.
- DESCRIPTION:** Printed volume of 456 pages.
- LANGUAGE:** English
- AVAILABILITY:** Can be purchased from the organization. Order from the Biotechnology Department, Interlab Project, Advanced Biotechnology Center, Viale Benedetto XV 10, 16132, Genoa, Italy.  
Tel.: 010-57-37-282. Fax: 010-57-37-295. ITL 37.000/\$24.00 plus postage.
- AUDIENCE:** Public and private researchers in biomedical research fields.
- CONTENTS:** Detailed description on human and animal cell lines available in many European culture collections and research laboratories. Indexed by tumor and species, species and tissue etc.. Short references include source data and a brief description of the culture collection activities.
- REFERENCES:** Cytotechnology. Vol. 11, Suppl 1, p. 130-133 (1993).
- NOTE:** The database is available at "gopher.ist.unige.it".

- SPONSOR:** JAPANESE SOCIETY OF ALTERNATIVES TO ANIMAL EXPERIMENTS
- ADDRESS:** C/O Hatano Research Institute, Food & Drug Safety Center  
729-5 Ochiai, Hadano, Kanagawa, 257, Japan
- TELEPHONE:** +81-463-82-4751 **FAX:** +81-463-82-9627
- TITLE:** *AATEX: ALTERNATIVES TO ANIMAL TESTING AND EXPERIMENTS*
- EDITOR:** Masami Watanabe (Nagasaki University Faculty of Pharmaceutical Sciences, Division of Radiation Biology)
- PUB. DATA:** 4 issues per year. Publication is periodic. Volume 2 in 1994.
- LANGUAGE:** English.
- AVAILABILITY:** The journal is sent to all the members of the Society. The domestic, yearly membership fee is 5,000 Japanese yen and an overseas membership is U.S. \$100. Back issues may also be available.
- CONTENTS:** The contents includes journal articles on alternatives in scientific experimentation and safety testing.



<b>SPONSOR:</b>	<b>THE JOHNS HOPKINS CENTER FOR ALTERNATIVES TO ANIMAL TESTING (CAAT)</b>
<b>ADDRESS:</b>	Johns Hopkins School of Public Health 111 Market Place, Suite 840 Baltimore, MD 21202-6709, USA
<b>TELEPHONE:</b>	410-223-1693
<b>INTERNET:</b>	CAAT@jhuhyg.sph.jhu.edu
<b>TITLE:</b>	<b><i>ALTERNATIVE METHODS IN TOXICOLOGY</i></b> (Includes various secondary titles.)
<b>EDITOR:</b>	A.M. Goldberg
<b>PUBLISHER:</b>	Mary Ann Liebert, Inc., New York.
<b>PUB. DATA:</b>	From 1983 to the present.
<b>FREQUENCY:</b>	Every one to two years.
<b>DESCRIPTION:</b>	Printed hard cover books.
<b>LANGUAGE:</b>	English
<b>AVAILABILITY:</b>	Through the publisher.
<b>AUDIENCE:</b>	Scientists and the public.
<b>CONTENTS:</b>	The 10 volumes published in this series to date include the following topics: product safety evaluation, toxicity testing, various aspects of toxicology, eye irritation testing, validation approaches, mechanism and new technologies, and other symposia proceedings.
<b>CONTACT:</b>	Deborah Rudacille, Science Writer



**SPONSOR:** THE JOHNS HOPKINS CENTER FOR ALTERNATIVES TO ANIMAL TESTING (CAAT)

**ADDRESS:** Johns Hopkins School of Public Health  
111 Market Place, Suite 840  
Baltimore, MD 21202-6709, USA

**TELEPHONE:** 410-223-1693

**INTERNET:** CAAT@jhuhyg.sph.jhu.edu

**TITLE:** **TECHNICAL REPORT** ( Includes various secondary titles.)

**EDITOR:** CAAT

**PUB. DATA:** From 1989 to the present.

**FREQUENCY:** About every year.

**DESCRIPTION:** Hard cover books.

**LANGUAGE:** English

**AVAILABILITY:** Through the Center. Request a listing and order form.

**AUDIENCE:** Scientists and the public.

**CONTENTS:** The seven volumes published in this series to date include the following topics: technical problems in *in vitro* testing systems, extrapolation for risk assessment, international status of *in vitro* methods, reports of CAAT grantees, *in vitro* toxicology systems, alternatives to lab animals, and predictive relationships in toxicology.

**CONTACT:** Deborah Rudacille, Science Writer

- SPONSOR:** NATIONAL LIBRARY OF MEDICINE (NLM)
- ADDRESS:** 8600 Rockville Pike  
Bethesda, MD 20894
- TELEPHONE:** 301-496-6308 (public information) 1-800-272-4787 (health professional inquiries).
- TITLE:** *ALTERNATIVES TO THE USE OF LIVE VERTEBRATES IN BIOMEDICAL RESEARCH AND TESTING--AN ANNOTATED BIBLIOGRAPHY*
- EDITORS:** A.A. Wykes, Scientific Editor; S. Siegel, Project Coordinator
- FREQUENCY:** Quarterly (Spring, Summer, Fall, Winter).
- DESCRIPTION:** Paper, double sided, photocopied, 8 1/2" by 11", number of pages per issue varies.
- LANGUAGE:** English.
- AVAILABILITY:** The publication is free to the requestor. To subscribe contact the following: National Library of Medicine, Specialized Information Services, Office of Hazardous Substances Information, Building 38A, Room 55-516, 8600 Rockville Pike, Bethesda, MD 20894.
- AUDIENCE:** Biomedical scientists.
- CONTENTS:** A bibliography featuring citations which contain information on methods, tests, assays, or procedures that may be useful to researchers trying to establish alternatives to intact vertebrates. Citations are selected from on-line bibliographic databases of the National Library of Medicine (NLM).
- NOTE:** A limited number of WordPerfect versions on floppy discs are available. The publication is also available on the NIH gopher.
- CONTACT:** A.A. Wykes. TEL: 301-496-5022. Fax: 301-402-0421.

- SPONSOR:** NATIONAL LIBRARY OF MEDICINE (NLM)
- ADDRESS:** 8600 Rockville Pike  
Bethesda, MD 20894
- TELEPHONE:** 301-496-6308 (general information), 1-800-272-4787 (reference questions).
- TITLE:** *NATIONAL LIBRARY OF MEDICINE FACT SHEET*
- FREQUENCY:** Irregularly published.
- DESCRIPTION:** Usually a single sheet, printed on both sides of 8 1/2" by 11" white paper.
- LANGUAGE:** English
- AVAILABILITY:** Available on request. Distributed at conferences and meetings.
- AUDIENCE:** A wide variety of people--researchers, regulatory authorities, the public and information providers.
- CONTENTS:** A wide variety of topics such as print and electronic products, services and how to access information from NLM and medical resources.
- CONTACT:** Contact the NLM via the telephone numbers or through the NLM gopher.

- SPONSOR:** THE PROGRAMME OF BIOTECHNOLOGY OF THE EUROPEAN COMMISSION
- ADDRESS:** European Commission  
Prof. H. Bazin/Dr. L. Matthiessen  
DG XII-Biotechnology  
SDME 2/4  
Rue de la Loi, 200  
B-1049 Brussels, Belgium
- TELEPHONE:** 32-2-296-57-74/295-03-61 exchange 299-11-11 **FAX:** 295-53-65
- TITLE:** **EUROPEAN LABORATORY WITHOUT WALLS** (series title)  
Currently there are eight booklets on different topics with unique titles.
- DESCRIPTION:** Booklets 8" by 6" of various lengths. Color photographs, tables, charts, and graphics are included.
- LANGUAGE:** English
- AVAILABILITY:** A listing of the current titles is available. The publications are available at no cost. (Direct any inquiries to H. Bazin or L. Matthiessen as listed above.)
- CONTENTS:** The booklets describe research activities in *in vitro* alternatives to animal experiments in pharmacotoxicology. The research is supported by the Commission of the European Communities. The specific topics addressed are: gap junctional intercellular communication and screening of tumor promoters; development of immortalized human articular cartilage cell lines and of human endothelial cell lines, *in vitro* integrated approach to skin pharmacotoxicology, use of neural primary cultures and cell lines, nephrotoxicity of biotech derived polypeptides in human and animal renal cell lines using molecular and cellular biology techniques.

- NAME:** SCIENTISTS CENTER FOR ANIMAL WELFARE (SCAW)
- ADDRESS:** Golden Triangle Building One  
7833 Walker Drive, Suite 340  
Greenbelt, MD 20770 USA
- TELEPHONE:** 301-345-3500 **FAX:** 301-345-3503
- TITLE:** Miscellaneous types of publications that are not in any series title. Types of publications include conference proceedings, bibliographies, and papers.
- EDITORS:** Editors are various
- PUB.DATA:** Publications date back to 1987. They are published on an irregular basis.
- DESCRIPTION:** Usually printed in soft cover in 8 1/2" by 11".
- LANGUAGE:** English
- AVAILABILITY:** Recent volumes are available for purchase from SCAW. Prices vary. Contact SCAW for a current listing.
- AUDIENCE:** The publications are of interest to researchers, members of animal care and use committees, research administrators, veterinarians, animal technicians, and others interested in animal based research issues.
- CONTENTS:** Most of the publications contain papers delivered at conferences that were sponsored by SCAW and other collaborating organizations. Some currently available titles include: *Annotated Bibliography on Laboratory Animal Welfare*, (1991 ed.); *Science and Animals: Addressing Contemporary Issues*; *Refinement and Reduction in Animal Testing*; *Canine Research Environment*; *Well-being of Nonhuman Primates in Research*; *Summary of New Animal Welfare Regulations*; *The Wellbeing of Agricultural Animals in Biomedical and Agricultural Research*; *Field Research*

*Guidelines; The Care and Use of Amphibians, Reptiles and Fish in Research; and Rodents and Rabbits: Current Issues.*

**NOTE:**

At this time, there is no intention to publish items through electronic networks.

**CONTACT:**

Lee Krulisch, Executive Director



- SPONSOR:** TUFTS CENTER FOR ANIMALS AND PUBLIC POLICY
- ADDRESS:** 200 Westboro Rd.  
N. Grafton, MA 01536, USA
- TELEPHONE:** 508-839-7991 **FAX:** 508-839-2953
- INTERNET:** [dpease@opal.tufts.edu](mailto:dpease@opal.tufts.edu)
- PUB. DATA:** The Center produces a variety of workshop conference proceedings. The main animal research publication is *The Animal Research Controversy: Protest, Process and Public Policy*. The book contains one chapter on alternatives but has other chapters that are related to the topic.
- DESCRIPTION:** A4 size, 210 pages, indexed.
- LANGUAGE:** English
- AVAILABILITY:** The book is available for \$30.
- AUDIENCE:** Persons (both scientists, the general public, animal protection groups, etc.) with an interest in learning about the context, central themes, and manner in which the argument of animal research is prosecuted.
- CONTENTS:** History, current status, major philosophical issues, evaluation of animal research, the questions of alternatives, issues regarding pain and distress, education, animal testing, the form of the public debate, organizations and resources, and the history of the animal protection movement.
- CONTACT:** Donna Pease



- SPONSOR:** UNIVERSITY OF CALIFORNIA, CENTER FOR ANIMAL ALTERNATIVES
- ADDRESS:** School of Veterinary Medicine  
University of California at Davis  
Davis, CA. 95616-8684, USA
- TELEPHONE:** 916-752-1800 **FAX:** 916-752-8391
- INTERNET:** dcanderson@ucdavis.edu
- TITLE:** *INFORMATION RESOURCES FOR ANIMAL WELFARE & ALTERNATIVES*
- EDITOR:** D. C. Anderson (916-752-9016)
- DESCRIPTION:** Individual titles in this series are printed on 8 1/2" by 11" sheets at various dates; text on both sides; 4-15 pages long.
- LANGUAGE:** English.
- AVAILABILITY:** Available to requestors from the Center at the above address. Also see the note below.
- AUDIENCE:** Educators, professionals, college students, libraries interested in access or collection development in the area of animal welfare and alternatives in education and research, other organizations, and the public with interests in these areas.
- CONTENTS:** This series of bibliographies and resource listings covers: organizations, bibliographies, Internet resources, recommended journals, training materials, higher education, animal care and use committees, and pre-college science education.
- NOTE:** This series is available upon publication at the gopher site: "gopher.ucdavis.edu". The path is: "Research support\School of veterinary medicine". The Center is willing to furnish these information resources to other Internet sites, but will maintain only the set at the UC Davis gopher site. The Center can provide

this series of resource guides in WordPerfect 6.0 or ASCII format on either 3 1/2 or 5 1/4 inch diskettes.

**CONTACT:** David C. Anderson



**SPONSOR:** ADVOCATES FOR ANIMALS

**ADDRESS:** 10 Queensferry Street  
Edinburgh EH2 4PG, England, UK

**TELEPHONE:** 031-225-6039 **FAX:** 031-220-6377

**TITLE:** *EXPOSED*

**EDITOR:** Advocates for Animals

**PUB. DATA:** April 1990.

**DESCRIPTION:** A videotape in VHS format.

**LANGUAGE:** English

**AVAILABILITY:** Available from the organization.

**AUDIENCE:** Not stated, assumed to be those interested in animals welfare issues.

**CONTENTS:** An undercover expose of laboratory animal abuse/use.

**CONTACT:** Peter Haddow, Campaigns Support Officer



# Computer Simulations

- SPONSOR:** THE NATIONAL ANTI-VIVISECTION SOCIETY LTD.--THE LORD DOWDING FUND
- ADDRESS:** Jan Creamer  
261 Goldhawk Road  
London W12 9PE England, UK
- TELEPHONE:** 081-846-9777 **FAX:** 081-846-9712
- TITLE:** No specific series title. As of July 1994, there are 22 simulation programs available for educational purposes.
- PUB. DATA:** The series started in 1986.
- DESCRIPTION:** No information provided.
- LANGUAGE:** Assumed to be English.
- AVAILABILITY:** Contact the organization.
- AUDIENCE:** Level A students and undergraduate level students.
- CONTENTS:** These are computer simulations developed by Dr. David Dewhurst to replace animal dissection and physiological oriented teaching laboratories with non-animal alternatives. Some of the simulations are on topics such as: the frog heart and skin, guinea pig ileum, intestinal absorption, muscle and nerve physiology, neuromuscular and respiratory pharmacology, Finkleman preparation, etc.
- NOTE:** The computer simulations were supported by grants from the Lord Dowding Fund. The fund supports a wide range of projects including biological research, human and veterinary medicine, toxicological testing and education.





# *Index by Organization Name*

- **Advocates for Animals** ..... 1, 31, 32, 55
- **Akademie fur Tierschutz. Einrichtung des Deuschen Tierschutzbundes e.V Zur  
Forschung und Lehre** ..... 15
- **Animal Welfare Information Center (AWIC), National Agricultural Library (NAL),  
U. S. Department of Agriculture (USDA)** ..... 2,33
- **Association of Veterinarians for Animals Rights** ..... 17, 36
- **Australian and New Zealand Council for the Care of Animals in Research and  
Teaching, Limited (ANZCCART)** ..... 4,35
- **Canadian Council on Animal Care (CCAC)** ..... 37
- **Euroniche** ..... 5, 38, 39
- **European Hepatocyte Users Group (HUG)** ..... 6, 18
- **Fund for the Replacement of Animals in Medical Experiments (FRAME)** ..... 7, 19, 40
- **Hadwen Trust for Humane Research** ..... 41
- **Institute of Laboratory Animal Resources (ILAR)** ..... 10
- **Instituto Nazionale per La Ricerca Sul Cancro (IST) [National Institute for Cancer  
Research--Advanced Biotechnology Center]** ..... 20, 21, 42
- **Japanese Society of Alternatives to Animal Experiments** ..... 43
- **The Johns Hopkins Center for Alternatives to Animal Testing (CAAT)** ..... 9, 44, 45
- **Laboratory of Genetic Toxicology, The University of Pisa** ..... 22
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- **The Scandinavian Society of Cell Toxicology (SSCT) . . . . . 11**
- **Scientists Center for Animal Welfare (SCAW) . . . . . 12, 49**
- **Tufts Center for Animals and Public Policy . . . . . 13, 51**
- **University of California, Center for Animal Alternatives . . . . . 52**
- **Zentralstelle Zur Erfassung Und Bewertung von Ersatz Und Ergänzungsmethoden  
zum Tierversuch (ZEBET) [Center for Documentation and Evaluation of Alternative  
Methods to Animal Experiments] . . . . . 28**

# *Index to Organizations by Country*

## **AUSTRALIA**

- Australian and New Zealand Council for the Care of Animals in Research and Teaching, Limited (ANZCCART)

## **BELGIUM**

- The Programme of Biotechnology of the European Commission

## **CANADA**

- Canadian Council on Animal Care (CCAC)

## **GERMANY**

- Akademie für Tierschutz. Einrichtung des Deutschen Tierschutzbundes e.V. Zur Forschung und Lehre
- Zentralstelle Zur Erfassung und Bewertung von Ersatz und Ergänzungsmethoden zum Tierversuch (ZEBET) [Center for Documentation and Evaluation of Alternative Methods to Animal Experiments]

## **ITALY**

- Istituto Nazionale per la Ricerca sul Cancro (IST) [National Institute for Cancer Research--Advanced Biotechnology Center]
- Laboratory of Genetic Toxicology, The University of Pisa

## **JAPAN**

- Japanese Society of Alternatives to Animal Experiments

## **THE NETHERLANDS**

- Prex On-line Information Service

## **NEW ZEALAND**

- Australian and New Zealand Council for the Care of Animals in Research and Teaching, Limited (ANZCCART)

# ***Index to Organizations by Country***

## **NORWAY**

- Norwegian College of Veterinary Medicine

## **SWEDEN**

- The Scandinavian Society of Cell Toxicology (SSCT)

## **UNITED KINGDOM**

- Advocates for Animals
- Euroniche
- European Hepatocyte Users Group (HUG)
- Fund for the Replacement of Animals in Medical Experiments (FRAME)
- Hadwen Trust for Humane Research
- The National Anti-vivisection Society Ltd.--The Lord Dowling Fund.

## **UNITED STATES**

- Animal Welfare Information Center (AWIC)
- Association of Veterinarians for Animal Rights
- Institute of Laboratory Animal Resources (ILAR)
- The John Hopkins Center for Alternatives to Animal Testing (CAAT)
- National Library of Medicine (NLM)
- Scientists Center for Animal Welfare (SCAW)
- Tufts Center for Animals and Public Policy
- UC Center for Animal Alternatives

The object of this questionnaire is to collect data regarding information resources that available in the animal welfare/alternatives area.

## INSTRUCTIONS REGARDING THIS FORM.

1. If you have more than one information resource product, please duplicate this form and provide the information for each.
2. Please be as specific as possible regarding critical elements such as software and hardware needs, updating, assessability to others and costs, and whether you are interesting in cooperative activities.
3. If there are critical items that we have not addressed, please be sure and note them.

Title \_\_\_\_\_

**General subject area addressed:** (More than one subject may be checked)

- |  |  |
|--|--|
| <input type="checkbox"/> Adjuvants                     | <input type="checkbox"/> Organizations                           |
| <input type="checkbox"/> Alternatives                  | <input type="checkbox"/> Pain & stress and allevation (including |
| <input type="checkbox"/> Animal care/ethics committees | anesthetics, analgesics, and tranquilizers)                      |
| <input type="checkbox"/> Animal welfare/well being     | <input type="checkbox"/> People/experts                          |
| <input type="checkbox"/> Environmental enrichment      | <input type="checkbox"/> Reference data                          |
| <input type="checkbox"/> Housing and environment       | <input type="checkbox"/> Research Design                         |
| <input type="checkbox"/> Laboratory Animal Medicine    | <input type="checkbox"/> Training materials                      |

**Material type:**

- |  |   |
|--|---|
| <input type="checkbox"/> Data base                 | <input type="checkbox"/> List of experts  |
| <input type="checkbox"/> Newsletter                | <input type="checkbox"/> Fact sheet       |
| <input type="checkbox"/> Publication--bibliography | <input type="checkbox"/> Brochure         |
| <input type="checkbox"/> Publication--full text    | <input type="checkbox"/> Audiovisual      |
| <input type="checkbox"/> Cirricula                 | <input type="checkbox"/> Software program |
| <input type="checkbox"/> Directory                 |   |

# Questionnaire

**Author(s) or editor(s):** [Whether personal or corporate]

**Edition:** [version, release, etc.]

**Place of publication:** [City, state, country]

**Publisher:** [organization responsible for issuing it]

**Date of publication:** [including month if available]

**Date of update or revision:**

**Physical description:**

**Series if issued in a series:**

**Accompanying material:** [e.g. accompanied by: 2 user's manuals; 1 instructional audiocassette]

**Availability:** [Source, acquisition or order information, including lease arrangements available. If not copyrighted, indicate location and how to obtain, e.g., by anonymous FTP]  
obtain, e.g., by anonymous FTP]

**Language:** \_\_\_\_English \_\_\_\_French \_\_\_\_German \_\_\_\_Spanish

**Contents:** Describe the material, including criteria for inclusion or exclusion. If desired, individual files within the contents may be individually cited.



**Note:** (May include corresponding print versions here).

**Bibliographic references:** (Include any bibliographic references that describe the resource).

**System requirements:** (Include specific make and model of computer on which the electronic product is designed to run, amount of memory required, name of the operating system and its version, software requirements and kind and characteristics of any required or recommended peripherals).

**Intended audience:**

**Credits:**

**Are you willing to locate a copy at your own or another internet site, e.g., on COMPMED, an institutional Gopher, etc.?**

**Name, position, and address of the person submitting the information:**

**Who to contact for additional information if not the preceding:**







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